

PATENT COOPERATION TREATY

PCT

REC'D 0	4	JUN	2004	
WIPO			PC	<u>,</u>

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION		on of Transmittal of International
09820.252 PC			xamination Report (Form PCT/IPEA/416)
International application No.	International filing date (day/mon	th/year)	Priority date (day/month/year)
PCT/US03/27645	04 September 2003 (04.09.2003)		10 September 2002 (10.09.2002)
International Patent Classification (IPC)	or national classification and IPC		
IPC(7): B01J 19/08 and US Cl.: 204/164	-169, 172; 219/60R; 422/186.0	4	
Applicant			
WISCONSIN ALUMNI RESEARCH FO	DUNDATION		
Examining Authority and	nary examination report has been is transmitted to the applicant a a total of sheets, including	ccording to A	rticle 36.
2. This REPORT consists of	a total of sneets, including	tms cover sne	et. ·
which have been ame before this Authority	ended and are the basis for this (see Rule 70.16 and Section 60	report and/or	description, claims and/or drawings sheets containing rectifications made inistrative Instructions under the PCT).
These annexes consist of a	total of <u>sheets.</u>		
3. This report contains indica	ations relating to the following	items:	
I Basis of the rep	ort		
II Priority			
III Non-establishm	ent of report with regard to nov	velty, inventive	e step and industrial applicability
IV Lack of unity o	f invention		
	nent under Article 35(2) with retations and explanations support		
VI Certain docume	ents cited		
VII Certain defects	in the international application		
VIII Certain observa	ations on the international appli	cation	
Date of submission of the demand	Date	of completion	of this report
07 April 2004 (07.04.2004)	13 M	lay 2004 (13.05	.2004)
Name and mailing address of the IPEA/	US Auth	orized officer	renonill The Link
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents	Kish	or Mayekar	१५० के दिन समित्र 🗸
P.O. Box 1450 Alexandria, Virginia 22313-1450	i	phone No. (571) 272 1200
Facsimile No. (703) 305-3230		PILOTIC 140. (3/1	1) 212-1300

Form PCT/IPEA/409 (cover sheet)(July 1998)



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International	application No.

I.	Basis of the report	
1.	With regard to the elements of the international application:*	
	the international application as originally filed.	
	the description:	
	pages 1-11 as originally filed	
	pages NONE, filed with the demand pages NONE, filed with the letter of	
	the claims:	
	pages NONE, as originally filed, as amended (together with any statement) under Article 19	
	pages 12-13 , filed with the demand	
	pages 12-13 , filed with the definant pages NONE , filed with the letter of	
	the drawings:	
	pages 1 , as originally filed	i
	pages 1 , as originary field pages NONE , filed with the demand pages NONE , filed with the letter of	ĺ
	the sequence listing part of the description:	
	pages NONE , as originally filed	
	names NONE filed with the demand	
	filed with the letter Of	1
1	pages NONE, Their with the reter of	
	These elements were available or furnished to this Authority in the following language which is:	
1	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).	
	the language of a translation furnished for the purpose of the language of publication of the international application (under Rule 48.3(b)).	
١	the language of publication of the international approximation (under Rules the language of the translation furnished for the purposes of international preliminary examination (under Rules	
	55.2 and/or 55.3)	
١	2. With record to any pucleotide and/or amino acid sequence disclosed in the international application, the	١
١	international preliminary examination was carried out on the basis of the sequence listing:	
	contained in the international application in printed form.	1
1	filed together with the international application in computer readable form.	١
١	furnished subsequently to this Authority in written form.	
1	furnished subsequently to this Authority in computer readable form.	
1	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the	
١	international application as filed has been furnished.	
١	The statement that the information recorded in computer readable form is identical to the written sequence listing	ıg
	has been furnished.	١
	4. The amendments have resulted in the cancellation of:	
	the description, pages NONE	
	the claims, Nos. 11-30	
	the drawings, sheets/fig NONE	
	The state of the s	
	I the dicalogue as filed as indicated in the Supplemental Box (Rule /0.2(C)).	
	to the beau ferminated to the receiving Office in response to an invitation under Article 14 are rejerted to	in
	* Replacement sheets which have been jurissized to the receiving Office in response to an arrendments (Rules 70.16 and 70.17). this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). ** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.	
	** Any replacement sneet containing such untertainents must be rejerred to under som 2 and animals.	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US03/27645

Reasoned statement under Rule 66.2(a)(ii) with regar	d to novelty, inventive step o	r industrial applicability;
citations and explanations supporting su	ch statement		
STATEMENT			
Novelty (N)	Claims	1-10	YES
Novelly (14)		NONE	NO
Inventive Step (IS)	Claims	1-10	YES
	Claims	NONE	NO
			YES
Industrial Applicability (IA)		1-10	NO
	Claims	NONE	
ne to an electric field, wherein the fuel line clasma within the bubbles, with the fuel line subombustion engine. Claims 1-10 meet the criteria set out in PCT Article made or used in industry. NEW CITATIONS	cle 33(4), and th		
•			
•			